



Producer of High Purity Polymer Components

From the Founders of the Original
Stainless Steel Filled
PTFE Gaskets

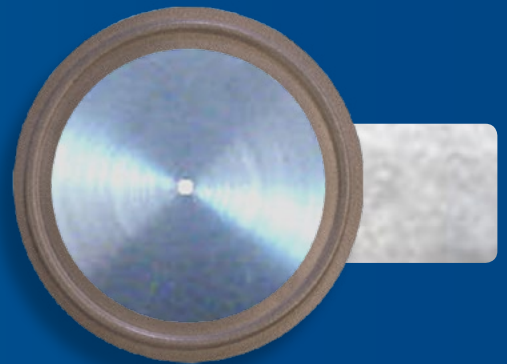
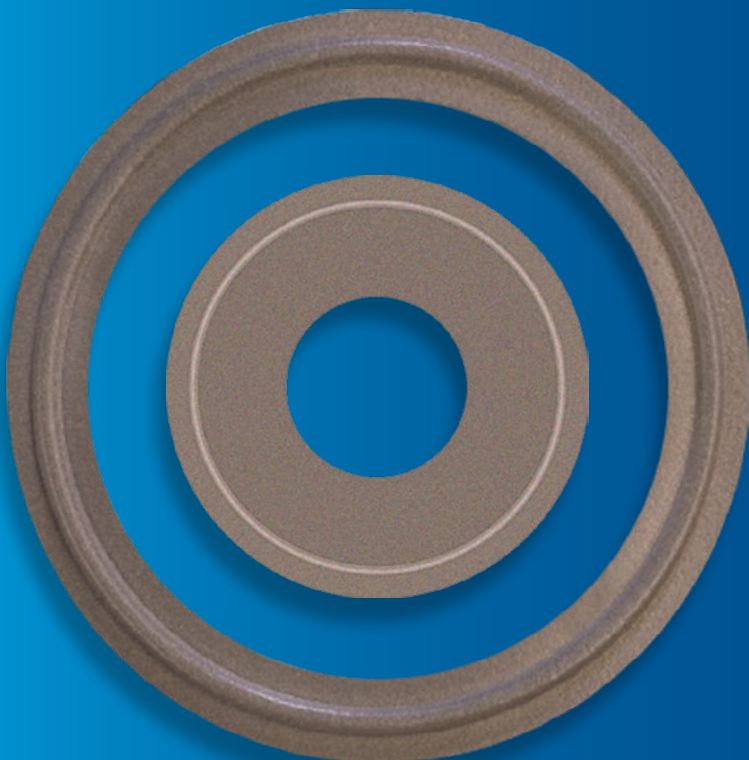
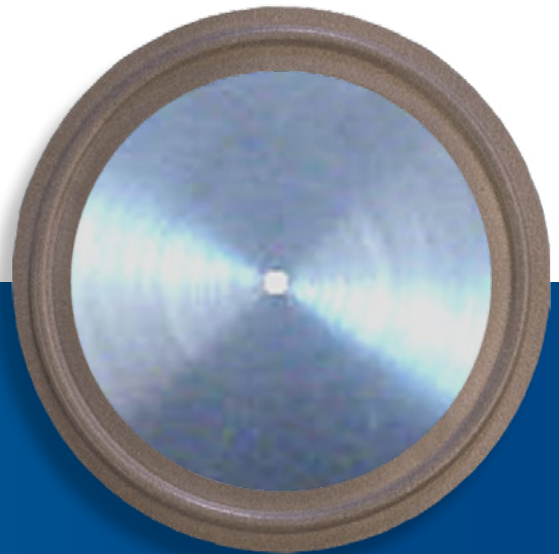


THE HISTORY OF POLYSTEEL

The founders of **FlowSmart**[®] are also the inventors of the industry's first 316L filled PTFE material. Originally marketed by resellers as "Tef Steel", the original compound is now exclusively available through Flow Smart. As the original molders, Flow Smart's principles have developed an improved molding process that produces products with less porosity and markedly improved finishes.

PolySteel material offers an inert contact surface that withstands the most challenging SIP required in biotech and pharmaceutical processing. Seal Performance will remain as creep and cold flow is minimized with extreme ΔT .

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THE FLOWSMART® POLYSTEEL DIFFERENCE

Only Stainless filled PTFE gasket with FDA approval.

Compound has been utilized longer than any other Stainless filled PTFE in biotech and pharmaceuticals.

USP Class VI tested

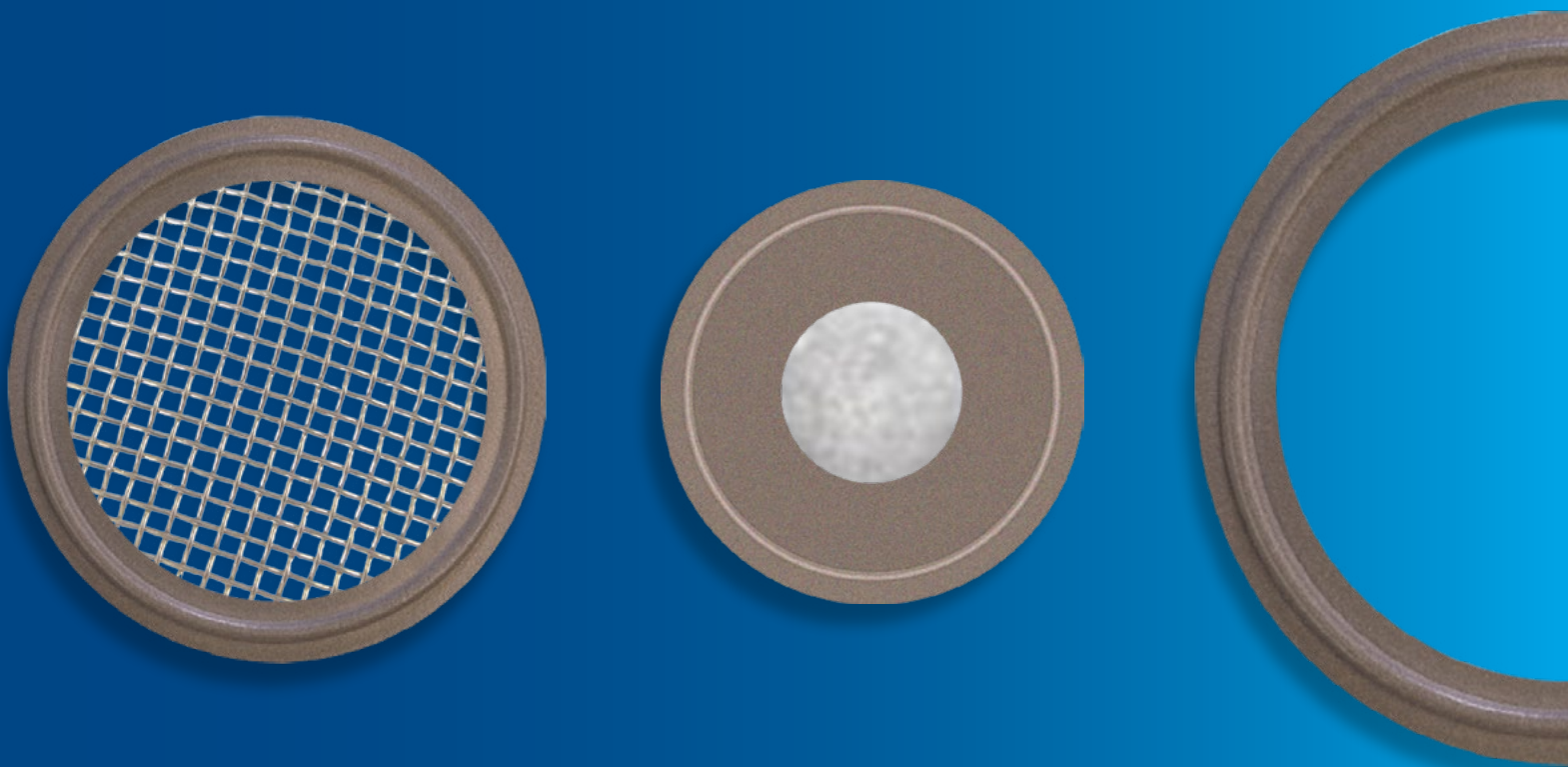
New tooling design produces better finishes and BPE compliant inside diameters.

Meets 3A Standards

Any geometry is available

Only Flow Smart PolySteel gaskets are produced from the compound that was known and specified as Tef Steel or Tuf Steel before October 2003.

No animal derived ingredients are used to produce PolySteel.



PROPERTIES OF POLYSTEEL

PROPERTY	ASTM METHOD	VALUE
Specific Gravity	D792	3.45
Tensile Strength	D4894	1928PSI
Elongation at Break	D4894	270%
Compressive Stress at 1%	D695	832
Compressive Stress at 5%	D695	2590
Compressive Modulus	D695	84200
Hardness	D2240	68
Temperature Low	Continuous	-400 F
Temperature High	Continuous	500 F

***Custom geometries are available.**

